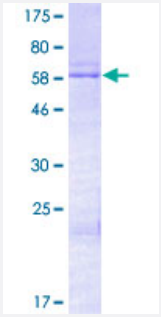
Full-Length

HOXD13 (Human) Recombinant Protein (P01)

Catalog # H00003239-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXD13 full-length ORF (AAI48864.1, 1 a.a. - 343 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MSRAGSWDMDGLRADGGGAGGAPASSSSSSVAAAAASGQCRGFLSAPVFAGTHSGRAAAAA AAAAAAAAAASGFAYPGTSERTGSSSSSSSSAVVAARPEAPPAKECPAPTPAAAAAAPPSAPA LGYGYHFGNGYYSCRMSHGVGLQQNALKSSPHASLGGFPVEKYMDVSGLASSSVPANEVPARA KEVSFYQGYTSPYQHVPGYIDMVSTFGSGEPRHEAYISMEGYQSWTLANGWNSQVYCTKDQPQG SHFWKSSFPGDVALNQPDMCVYRRGRKKRVPYTKLQLKELENEYAINKFINKDKRRRISAATNLS ERQVTIWFQNRRVKDKKIVSKLKDTVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	64.68
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOXD13

Entrez GeneID	3239
GeneBank Accession#	BC148863
Protein Accession#	AAI48864.1
Gene Name	HOXD13
Gene Alias	BDE, BDSD, HOX4I, SPD
Gene Description	homeobox D13
Omim ID	113200 113300 142989 186000 186300 610713
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. Mutations in this particular gene cause synpolydactyly. [provided by RefSeq
Other Designations	homeo box 4I|homeo box D13

Disease

- Alzheimer disease
- Autistic Disorder
- Cardiovascular Diseases
- Clubfoot
- Cryptorchidism
- Diabetes Complications
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis